

FIG. 1

The diagram illustrates a hydraulic system 84 for a vehicle seat. The system includes a pump 190 driven by a motor M, connected to a network of pipes and valves 198-206. The valves are controlled by a circuit 250 containing solenoids 26, 274, 254, and 278, which are in turn controlled by a control unit 342. The hydraulic fluid is distributed to two main actuators: a first actuator 80 (seat back) and a second actuator 114 (seat cushion). The first actuator 80 contains a piston 100 with chambers 93a and 93b, and a second piston 106. The second actuator 114 contains a piston 160 with chambers 161a and 161b. The system also includes various pressure points P1, P2, P3, P4 and flow indicators F and Sp. The control circuit 250 is powered by a battery 258 and includes a motor M and various solenoids 26, 274, 254, and 278, which are connected to the hydraulic lines via solenoid valves 262, 264, 266, 268, 272, 276, 278, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000.

FIG. 2A

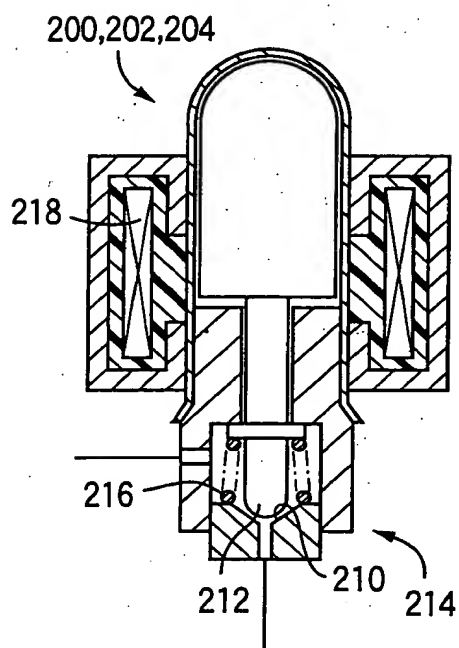


FIG. 2B

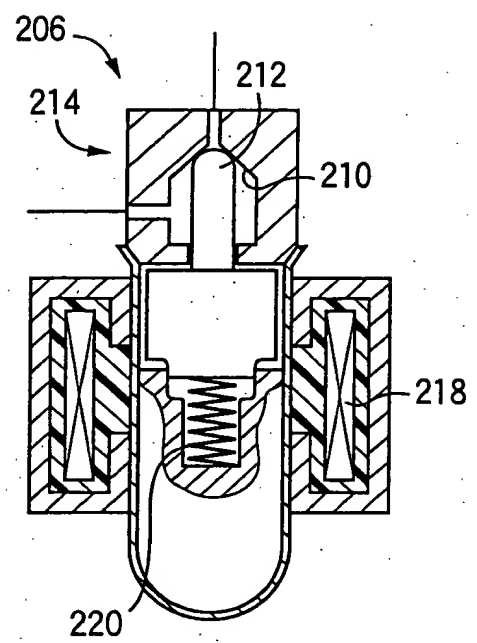


FIG. 3

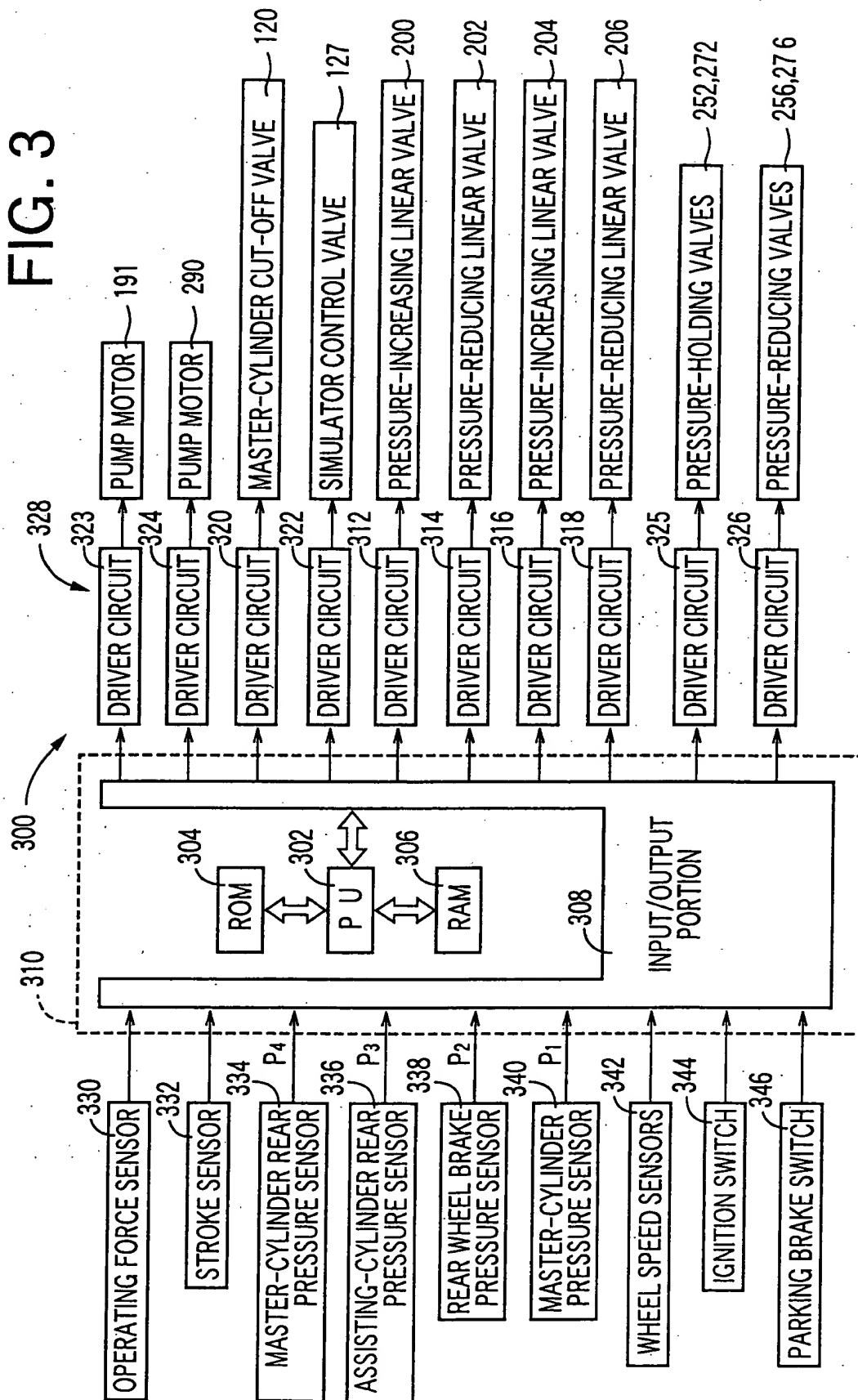


FIG. 4

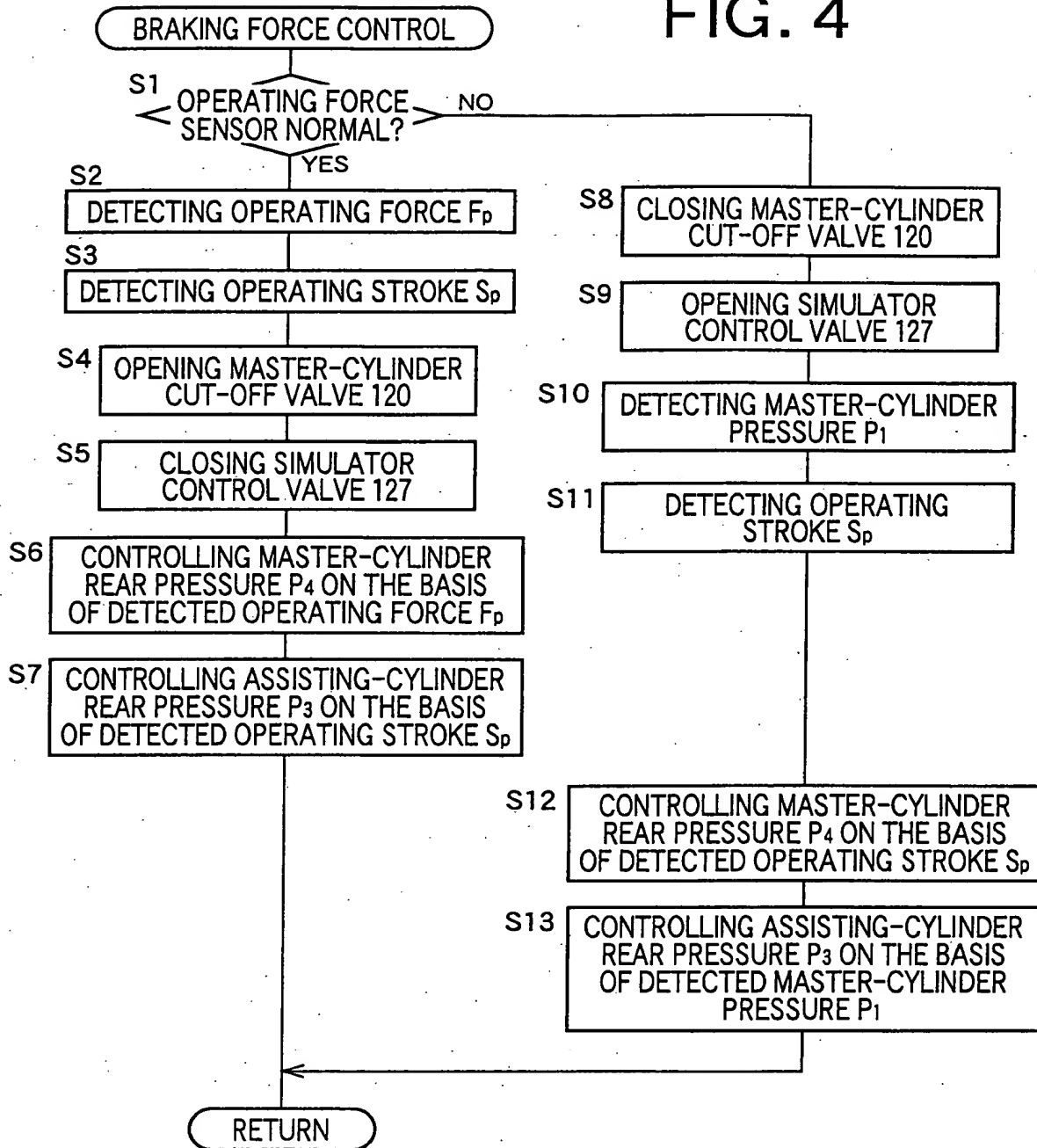


FIG. 5

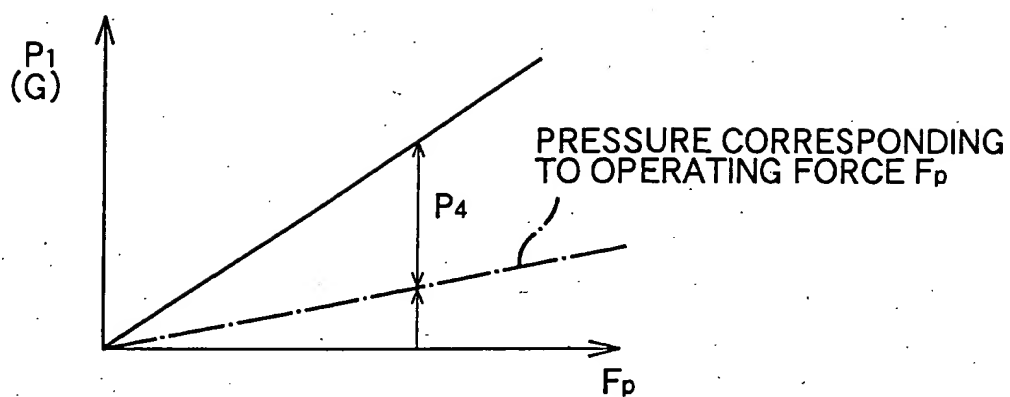


FIG. 6

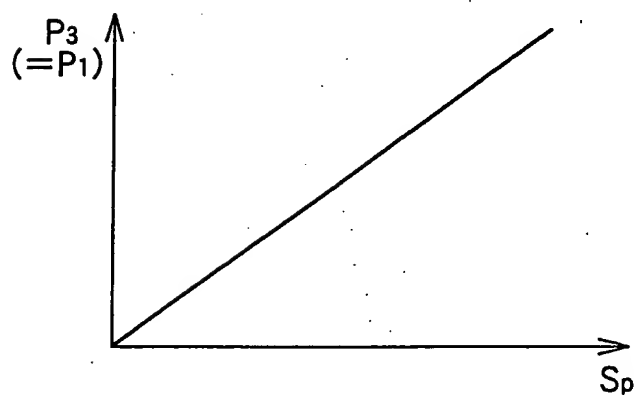


FIG. 7

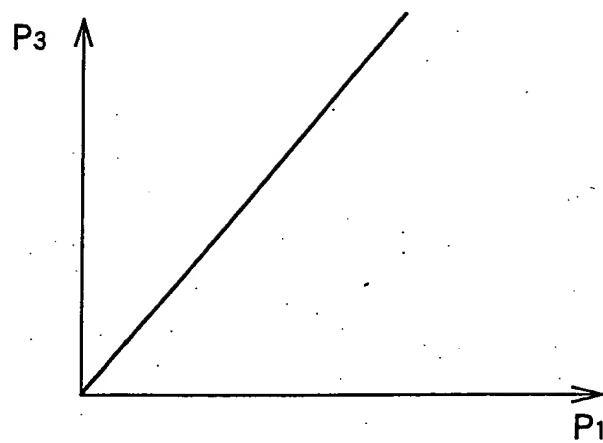


FIG. 8

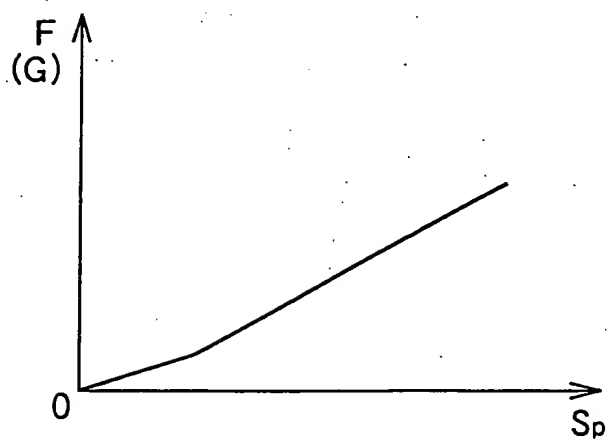


FIG. 9

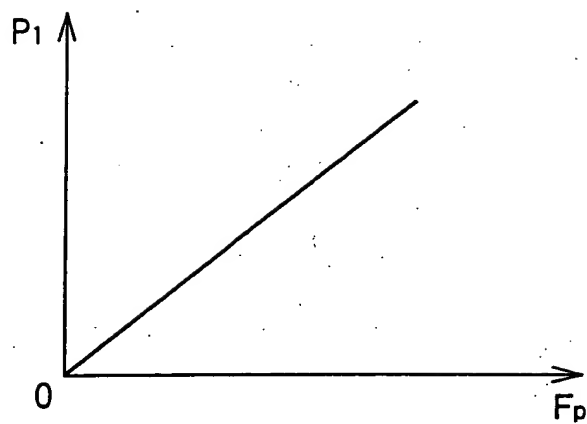


FIG. 10

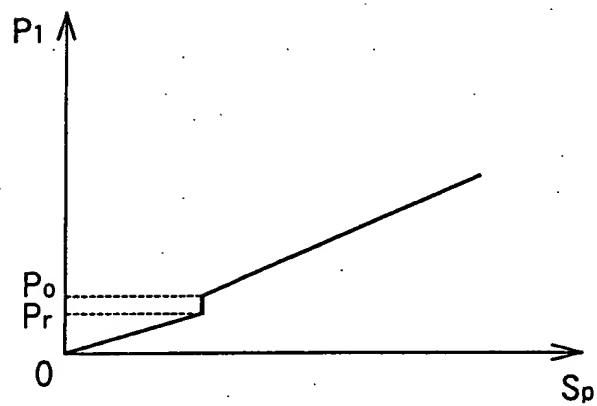


FIG. 11

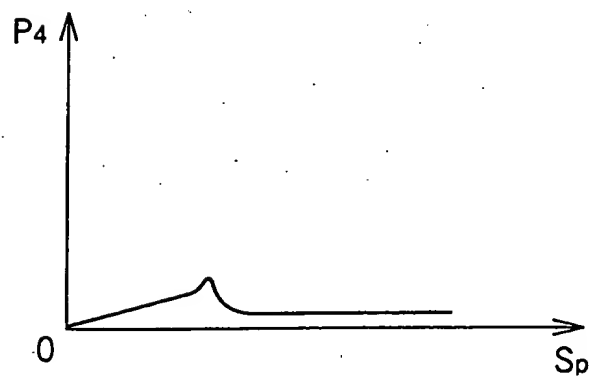


FIG. 12

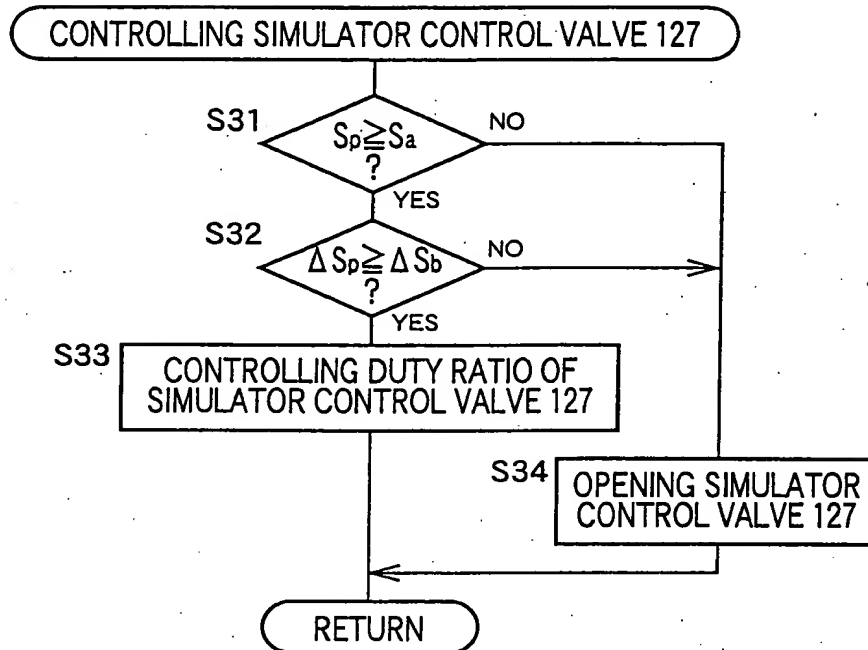
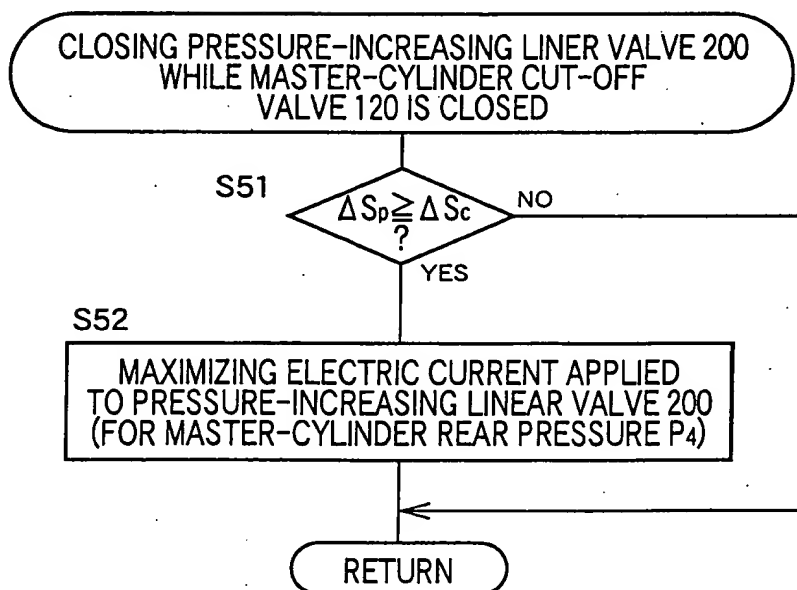


FIG. 13



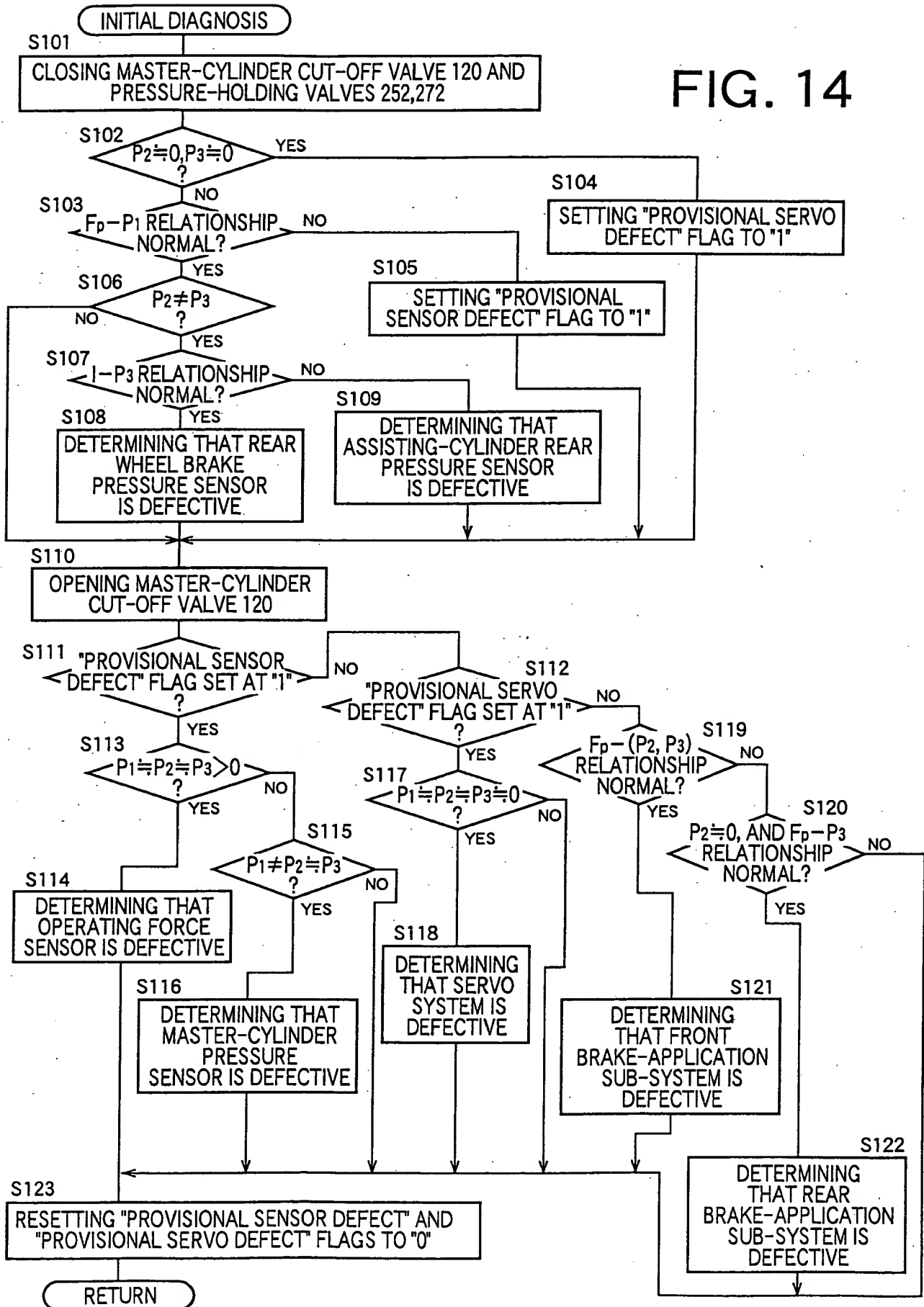


FIG. 15

MASTER-CYLINDER CUT-OFF VALVE 120		ELEMENTS DETERMINED TO BE DEFECTIVE
IN CLOSED STATE	IN OPEN STATE	
$P_2, P_3 \approx 0$	$P_1, P_2, P_3 \approx 0$	DEFECTIVE SERVO SYSTEM
ABNORMAL $F_P \cdot P_1$ RELATIONSHIP	$P_1 = P_2 = P_3$	DEFECTIVE OPERATING- FORCE SENSOR 330
ABNORMAL $F_P \cdot P_1$ RELATIONSHIP	$P_1 \neq P_2 = P_3$	DEFECTIVE MASTER- CYLINDER PRESSURE SENSOR 340
$P_2 \neq P_3$, AND NORMAL $F_P \cdot P_3$ RELATIONSHIP	$(P_1 \neq P_2)$	DEFECTIVE REAR WHEEL BRAKE PRESSURE SENSOR 338
	$P_1 \approx 0$, AND NORMAL $F_P \cdot P_2, P_3$ RELATIONSHIP	DEFECTIVE FRONT SUB- SYSTEM
	$P_2 \approx 0$, AND NORMAL $F_P \cdot P_3$ RELATIONSHIP	DEFECTIVE REAR SUB- SYSTEM

FIG. 17

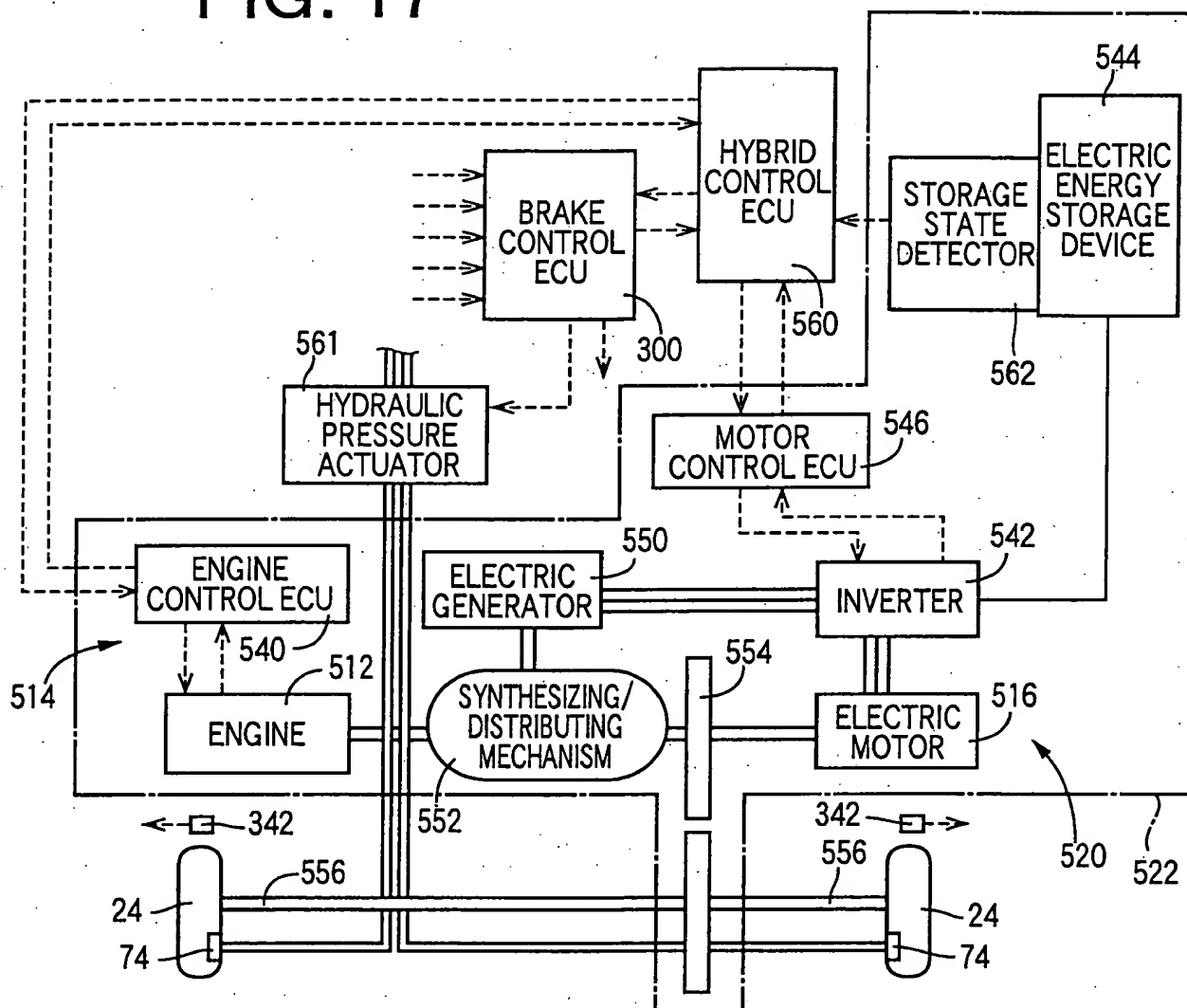


FIG. 18

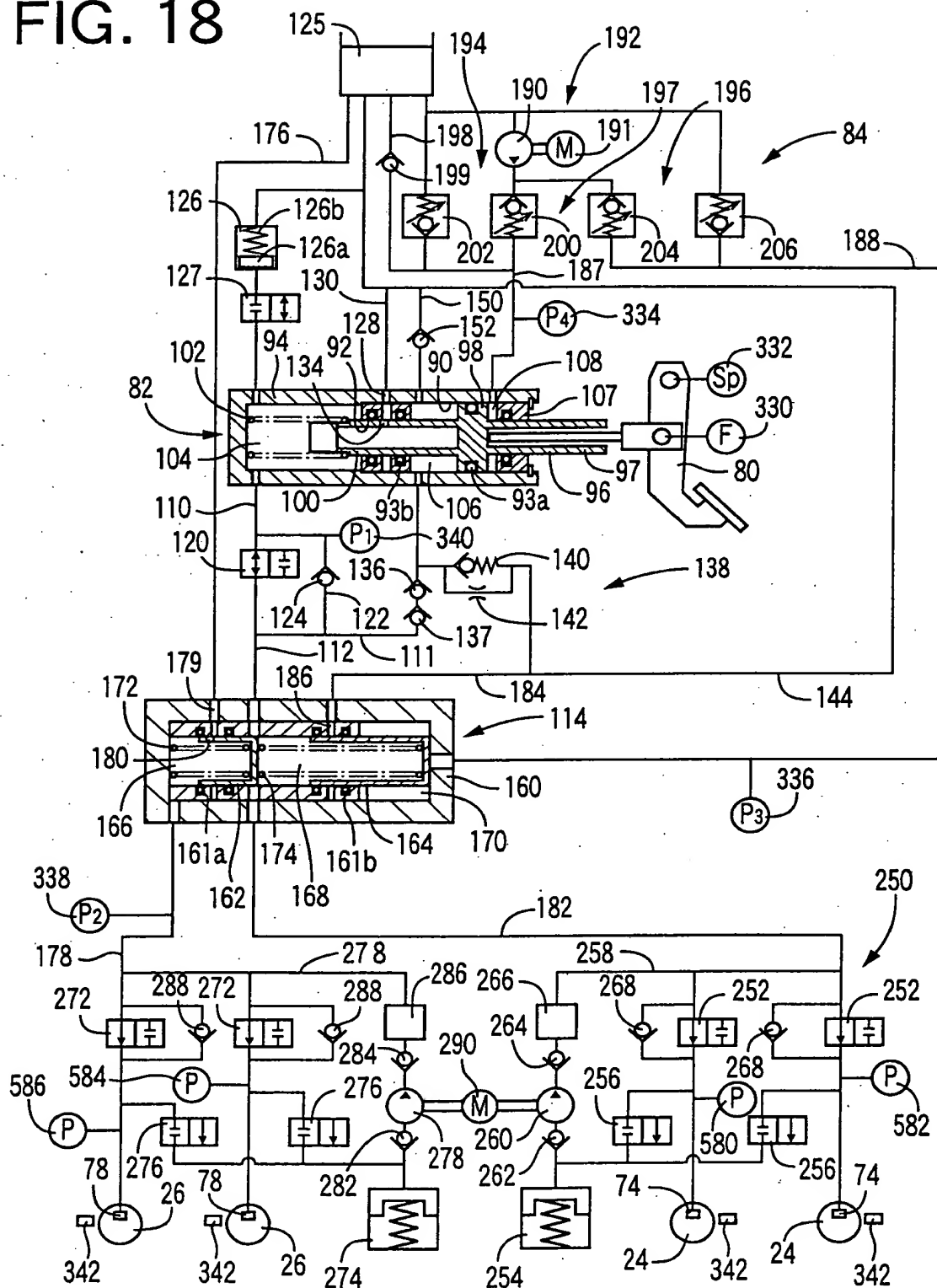


FIG. 19

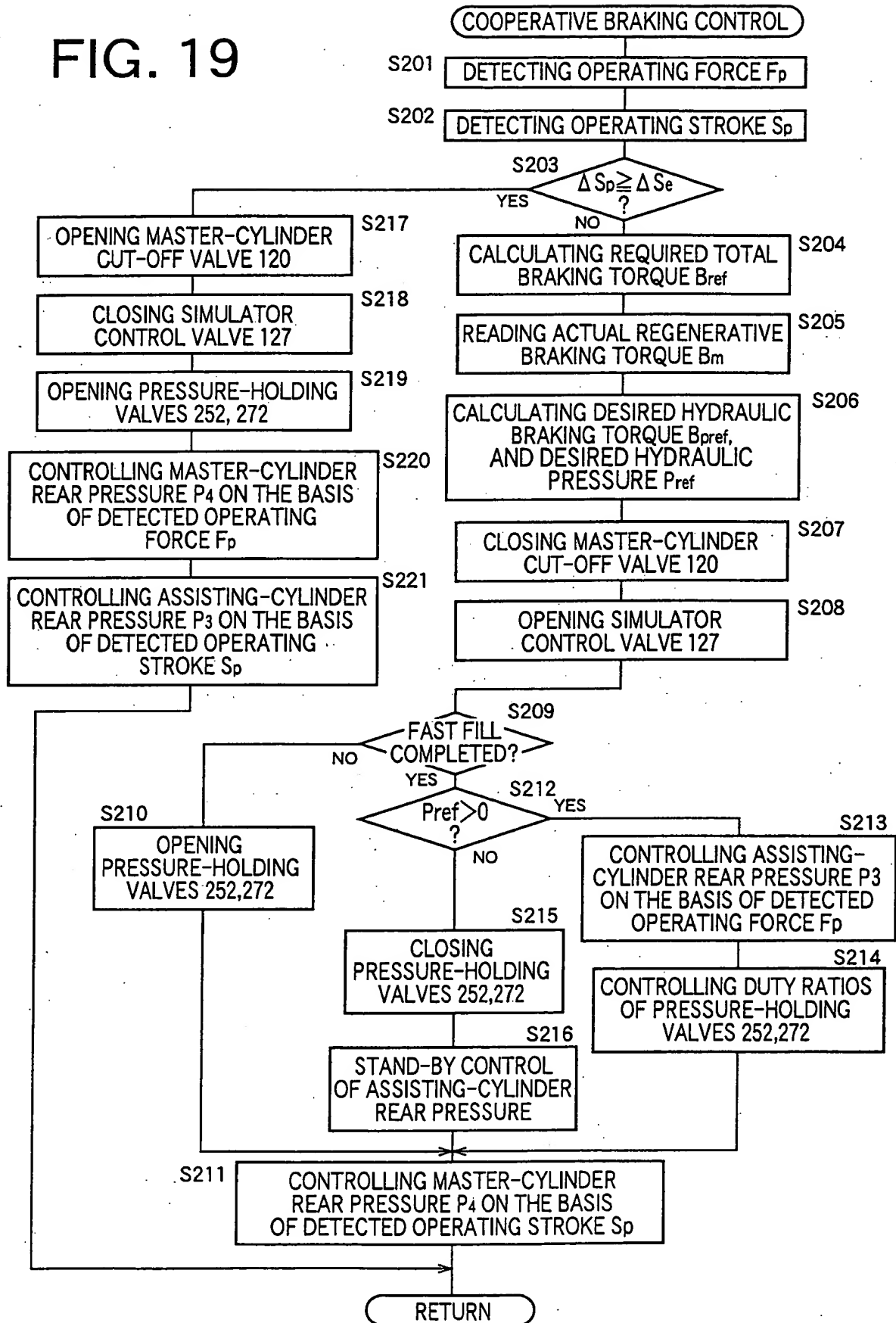


FIG. 20

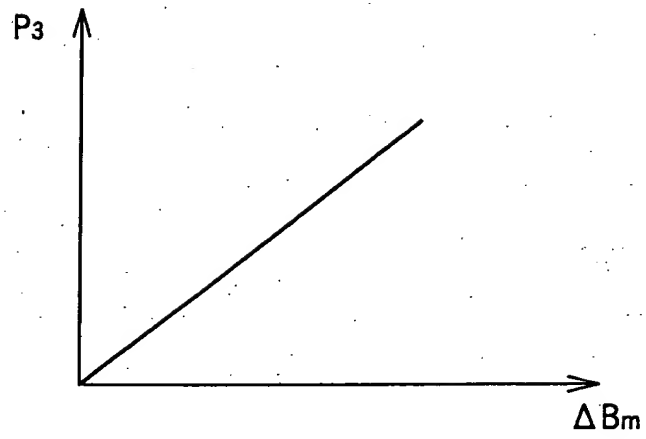


FIG. 21

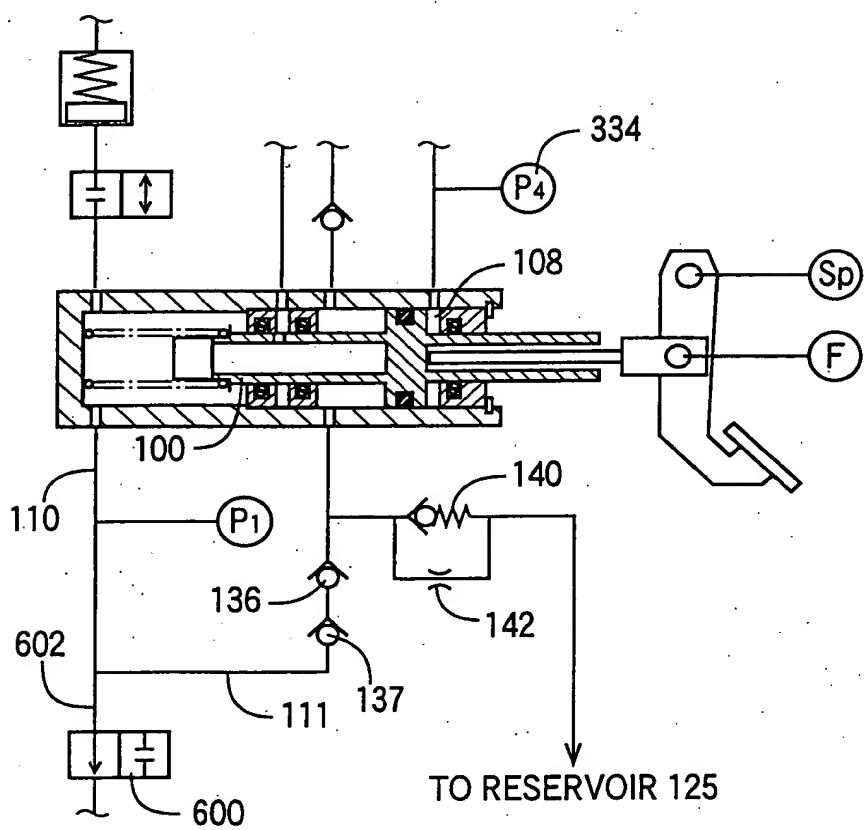


FIG. 22

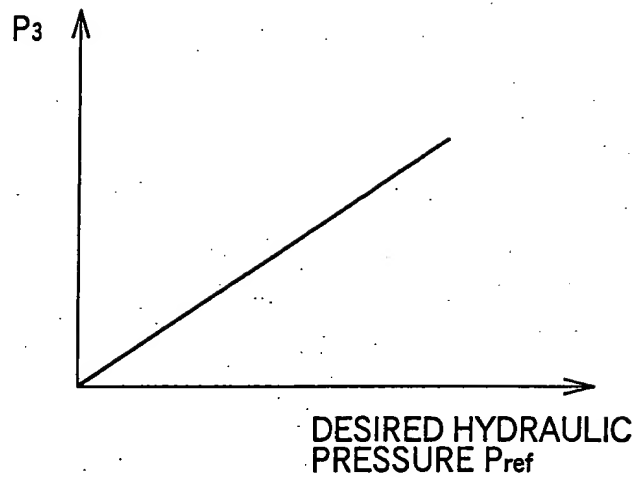


FIG. 23

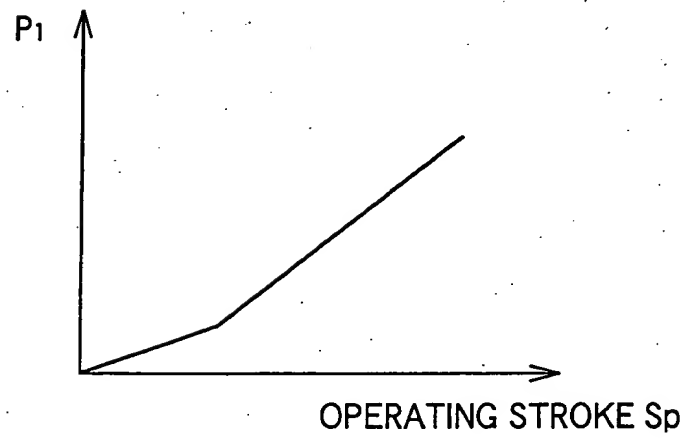


FIG. 24

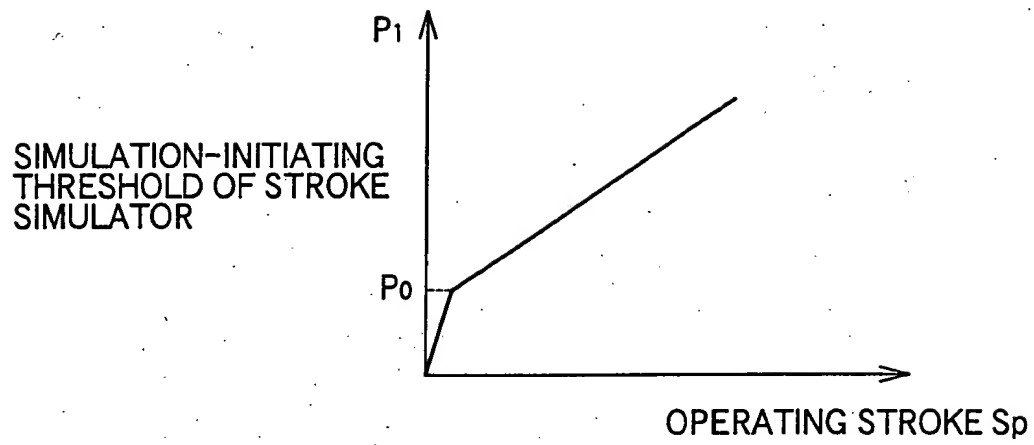


FIG. 25

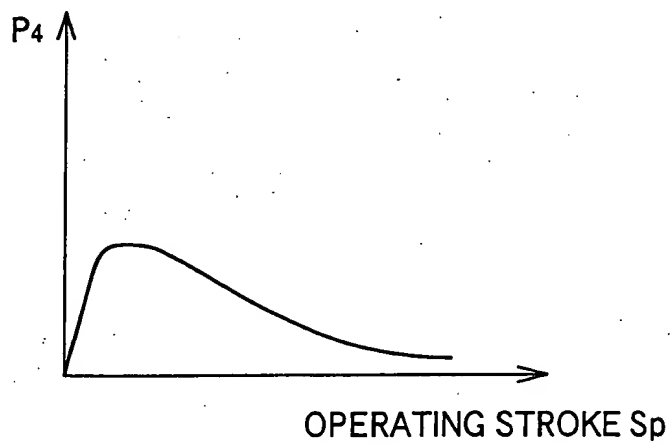


FIG. 26

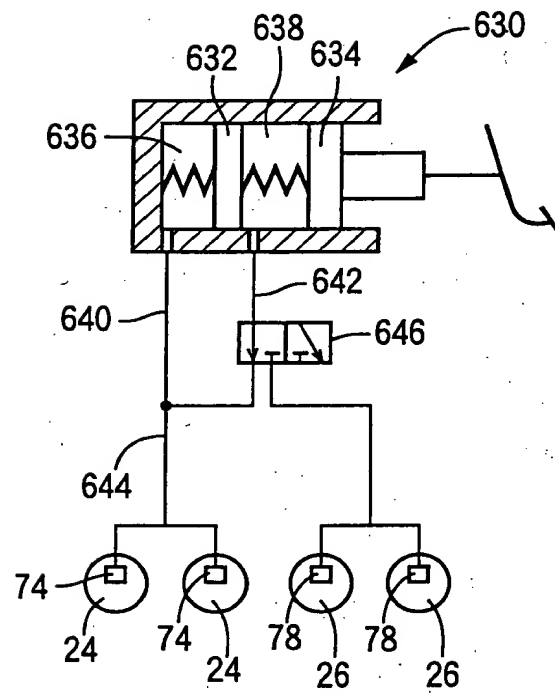


FIG. 27

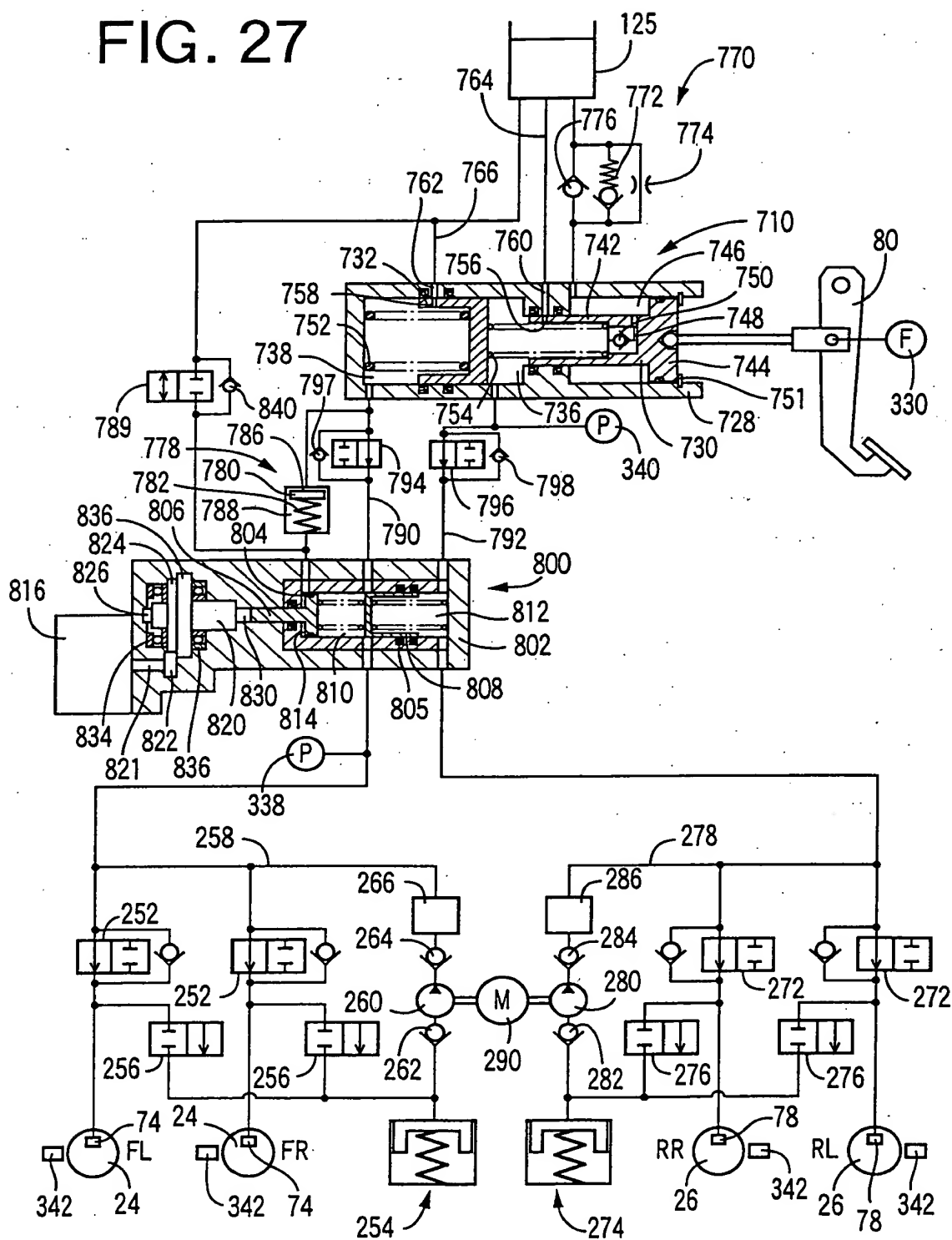


FIG. 28

